In the Claims:

1. (Currently amended) A green-emitting LED which is designed as a luminescence conversion LED, comprising:

a primary radiation source, which is a chip emitting in the UV or blue radiation region[[,]] ; and

a layer of a phosphor which is arranged in front of the primary radiation source and completely or partially converts the radiation of the chip into green light of dominant wavelength λ_{dom} = 550 to 570 nm[[,]] ;

~~characterized in that~~ wherein the phosphor belongs to the class of the oxynitridosilicates, having a cation M and the empirical formula $M_{(1-c)}Si_2O_2N_2:D_c$, where D denotes a doping with divalent europium and where M comprises Sr as a constituent and M = Sr alone or $M = Sr_{(1-x-y)}Ba_yCa_x$ with $0 \leq x+y < 0.5$ is used, the oxynitridosilicate completely or predominantly comprising the high-temperature-stable modification HT.

2. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the Eu fraction makes up between 0.1 and 20 mol% of M.

3. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein Sr represents the majority of M and a proportion of M, in particular up to 30 mol%, is replaced by Ba and/or Ca.

4. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein a proportion of M, in particular up to 30 mol%, is replaced by Li and/or La and/or Zn.

5. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein part of the SiN group in the oxynitridosilicate of formula $MSi_2O_2N_2$, in particular up to 30 mol%, is replaced by the AlO group.

6. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein a proportion of Eu, in particular up to 30 mol%, is replaced by Mn.

7. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the primary emission has a peak wavelength in the range from 380 to 430 nm, in particular at least 380 nm.

8. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the green emission has a dominant wavelength in the range from 556 to 564 nm.

9. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the primary radiation is completely converted.

10. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the chip is an InGaN chip with a peak emission wavelength in the range from 430 to 465 nm.

11. (Currently amended) The LED as claimed in claim 1, ~~characterized in that~~ wherein the LED is dimmable.